

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of)	MAIL STOP AMENDMENT
)	
Hideto Ogasawara)	Group Art Unit: 1796
)	
Application No.: 10/582,347)	Examiner: BENJAMIN GILLESPIE
)	
Filed: June 9, 2006)	Confirmation No.: 4976
)	
For: RESIN COMPOSITION FOR)	
REFLECTOR PLATE AND)	
REFLECTOR PLATE)	

DECLARATION UNDER 37 C.F.R. §1.132

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

I, Hideto Ogasawara, hereby declare:

1. I graduated from Department of Mechanical Engineering, Tomakomai National College of Technology in March, 1989. Since April, 1989, I have been an employee of Mitsui Chemicals, Inc., and till the present time, I have been engaged in the Materials Laboratory.

2. I am familiar with U.S. Application Serial No. 10/582,347, of which I am the named inventor.

3. The following experiments were conducted either by myself or under my direct supervision. This experiments demonstrate that the heating mass reduction ratios of the light stabilizers e: "Nylostab S-EED" and f: "Sanduvor VSU" used in Examples (paragraphs [0077] and [0078]) of US 2004/0034152 by Oka et al. are 60% by mass and 100% by mass, respectively.

Comparative Experiments:

Heating mass reduction ratio

The heating mass reduction ratios of the above-mentioned two light stabilizers were measured by the method described at page 21, line 23 to page 22, line 10 of the present application.

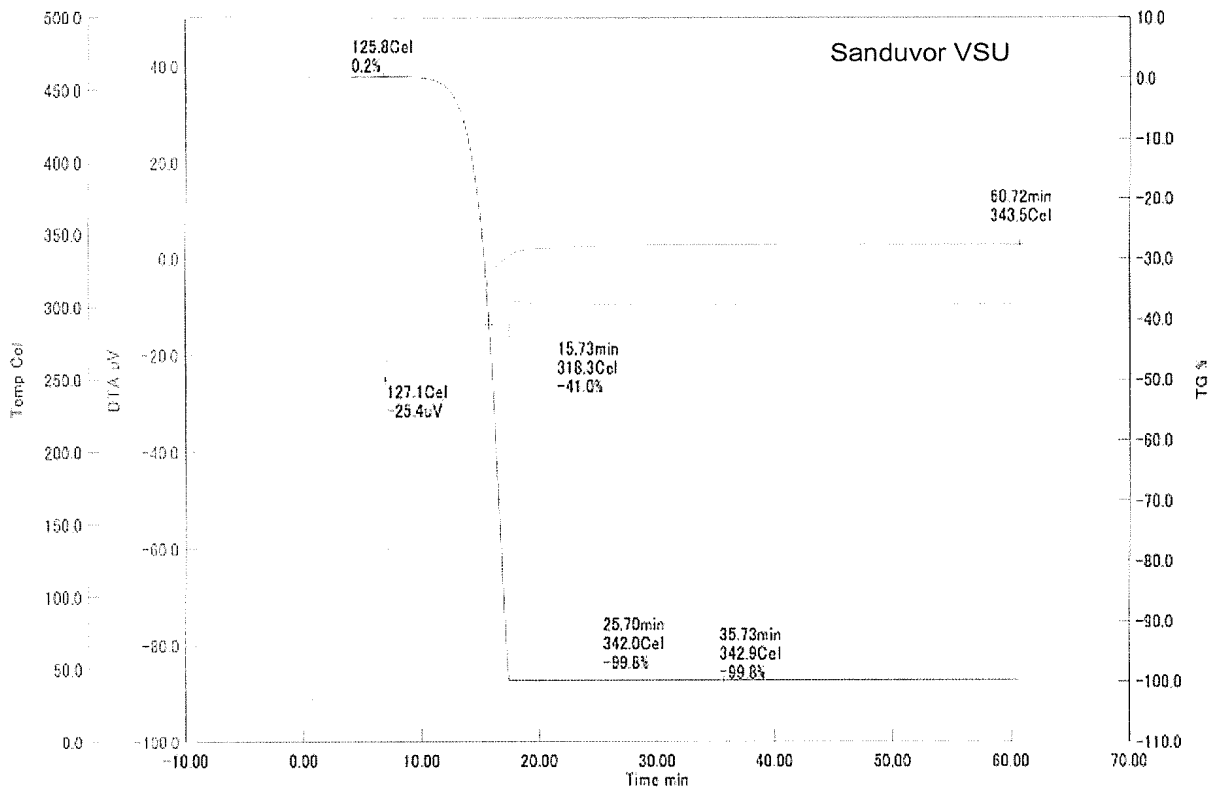
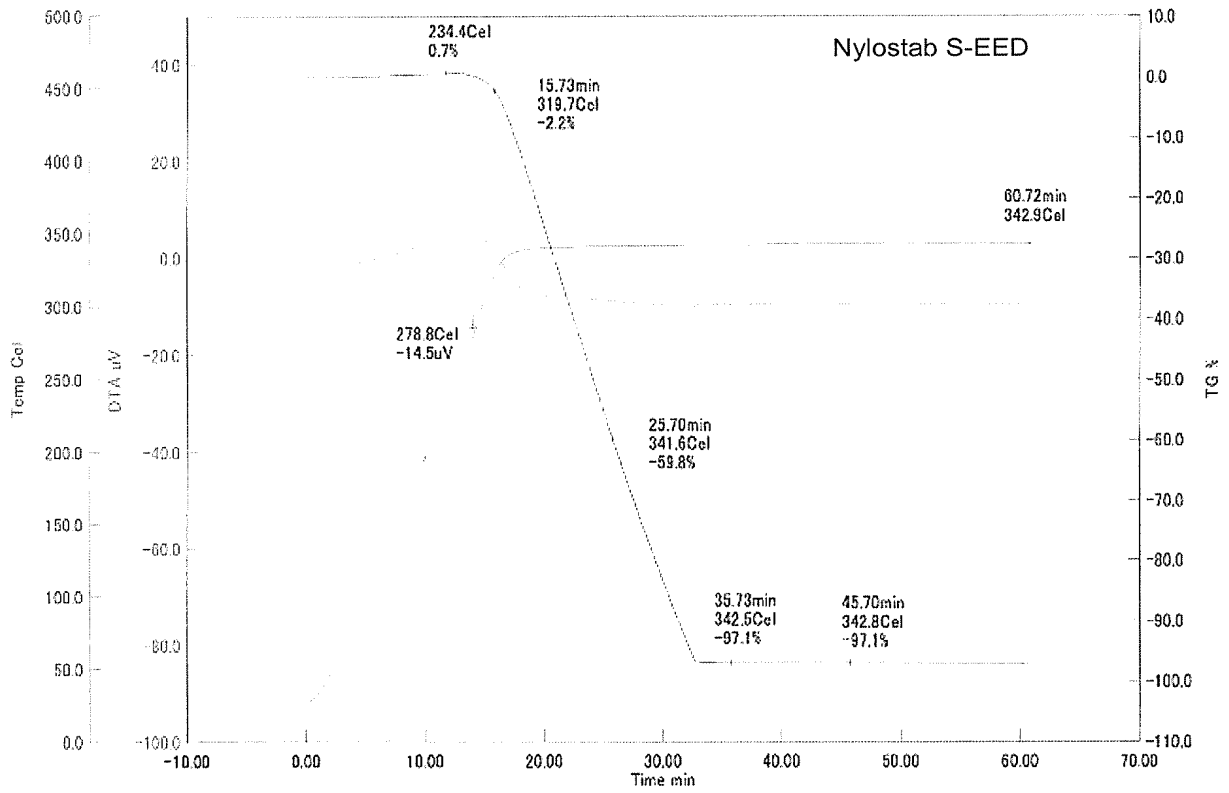
In particular, the heating mass reduction ratios were measured by thermogravimetric analysis (TG) to examine a TG curve when held at 340 °C for 10 minutes after elevating the temperature at a rate of 20 °C/min from 25 °C to 340 °C under a nitrogen atmosphere, and to calculate a mass reduction ratio before and after heating with regard to the light stabilizers, based on the following formula:

$$\text{Heating mass reduction ratio (\%)} = (W1 - W2) / W1 \times 100$$

W1: Mass before heating

W2: Mass after heating

As a result, the heating mass reduction ratio of Nylostab S-EED (e) is about 60% by mass ("-59.8%" at 25.70 min, 10 minutes after rising to 340 °C) and that of Sanduvor VSU (f) is about 100% by mass ("-99.8%" at 25.70 min).



I hereby declare that all statements made herein of my own knowledge and true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Hideto Ogasawara
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Jun. 8, 2009
Date